

**Amendments to the Claims:**

Please amend the claims as indicated.

1. (Currently Amended) A global on-demand management apparatus for user control of a system resource on a grid computing system, the apparatus comprising:

a storage device storing executable code;

a processor executing the executable code, the executable code comprising

a global user input module configured to allowing a user to input a parameter control request, the parameter control request increasing an allocation of a performance resource and corresponding to a performance parameter for the performance resource stored in a profile in a memory device of the grid computing system;

a global parameter module configured to dynamically updating the performance parameter according to the parameter control request during a concurrent grid system operation; the performance parameter corresponding to a performance resource; and

a global reservation module configured to reserving the performance resource with the updated performance parameter increasing the allocation of the performance resource for the grid computing operation.

2. (Previously Presented) The apparatus of claim 1, wherein the performance parameter is a network performance parameter, wherein the network performance parameter is one of network accessibility, network bandwidth allocation, and grid allocation hierarchy.

3. (Canceled)

4. (Currently Amended) The apparatus of claim 1, wherein the performance parameter is a client performance parameter, the global reservation module further determining if the performance resource is in use and discontinuing use of the performance resource if the performance resource is in use before reserving the performance resource with the updated performance parameter for the grid computing system.

5. (Previously Presented) The apparatus of claim 4, wherein the client performance parameter comprises client accessibility, client bandwidth allocation, processor allocation, storage allocation, memory allocation, backup recoverability, and backup proximity.
6. (Currently Amended) The apparatus of claim 1, ~~wherein the global reservation module is further configured to terminate~~ing the reservation of the performance resource in response to a client reclamation operation, the client reclamation operation reclaiming the performance resource and making the performance resource unavailable to the grid computing system.
7. (Currently Amended) The apparatus of claim 6, ~~wherein the global reservation module is further configured to reserve~~ing another performance resource for the grid computing operation, wherein the other performance resource is the same type of performance resource as the reclaimed performance resource.
8. (Currently Amended) The apparatus of claim 1, the executable code further comprising a global profile management module ~~configured to store~~ing a network profile, the network profile comprising a network performance parameter of a network performance resource available to the grid computing system.
9. (Currently Amended) The apparatus of claim 1, the executable code further comprising a global profile management module ~~configured to store~~ing a global client profile, the global client profile descriptive of a global client performance resource parameter.
10. (Currently Amended) The apparatus of claim 1, the executable code further comprising a global profile management module ~~configured to store~~ing a plurality of client profiles, each of the plurality of client profiles comprising a client performance parameter of a client performance resource available to the grid computing system.

11. (Currently Amended) The apparatus of claim 10, the executable code further comprising a global profile synchronization module ~~configured to synchronizing~~ one of the stored client profiles with a local client profile stored on a client.

12. (Currently Amended) The apparatus of claim 1, the executable code further comprising a global profile management module ~~configured to storing~~ a plurality of profile histories, each of the plurality of profile histories comprising a history of a performance parameter resource.

13. (Currently Amended) The apparatus of claim 12, ~~wherein the~~ global profile management module ~~is further configured to communicating~~ one of the plurality of profile histories to a subscription manager, the subscription manager configured to calculate a client subscription fee based at least in part on the one of the plurality of profile histories.

14. (Currently Amended) A local on-demand management apparatus for user control of a system resource on a grid computing system, the apparatus comprising:

a storage device storing executable code;

a processor executing the executable code, the executable code comprising

a client user input module configured to allowing a user to input a client parameter

control request, the client parameter control request increasing an allocation of a

client performance resource corresponding to a client performance parameter for

the client performance resource of the grid computing system, the client

performance parameter corresponding to a client performance resource;

a client parameter module dynamically updating the client performance parameter

according to the client parameter control request during a concurrent grid system

operation;

a client allocation module ~~configured to allocating~~ the client performance resource to the grid computing system with the increased allocation during the concurrent grid system operation in response to the parameter control request;

a client profile management module ~~configured to storing~~ a client profile in a memory device, the client profile comprising the client performance parameter ~~of the client performance resource allocated to the grid computing system~~; and

a client profile synchronization module ~~configured to synchronizing~~ the client performance parameter with one of a plurality of client profiles stored on a global on-demand apparatus during the grid system operation.

15. (Canceled)

16. (Currently Amended) The apparatus of claim 14, the executable code further comprising a client reclamation module ~~configured to reclaiming~~ the client performance resource and making the client performance resource unavailable to the grid computing system in response to a client reclamation operation and wherein the client user input module receives the client parameter control request from the global on-demand apparatus.

17. (Canceled)

18. (Original) The apparatus of claim 14, wherein the client performance parameter is one of client accessibility, client bandwidth allocation, processor allocation, storage allocation, memory allocation, backup recoverability, and backup proximity.

19. (Currently Amended) A system for user control of a system resource on a grid computing system, the system comprising:

a local on-demand management apparatus connected to the grid computing system, the local on-demand apparatus having local access to and control of a performance resource;

a global on-demand management apparatus connected to the grid computing system, the global on-demand apparatus configured to communicate with the local on-demand apparatus;

a storage device storing executable code;

a processor executing the executable code, the executable code comprising

a user input module configured to allowing a user to input a parameter control request, the parameter control request increasing an allocation of the performance resource and corresponding to a performance parameter for the performance resource, the performance parameter wherein the performance resource corresponds to a performance parameter stored in a profile in a memory device of the grid computing system;

an allocation module configured to allocating the performance resource to the grid computing system during a concurrent grid system operation;

the global on-demand management apparatus further configured to dynamically updating the performance parameter according to the parameter control request during the grid system operation; and

a reservation module configured to reserving the performance resource with the updated performance parameter increasing the allocation of the performance resource for the grid computing operation.

20. (Currently Amended) The system of claim 19, the executable code further comprising a subscription manager configured to determining a user fee associated with the local on-demand management apparatus, the user fee based at least in part on the allocation of the performance resource to the grid computing system.

21. (Currently Amended) The system of claim 19, the executable code further comprising a subscription manager configured to managing the allocated performance resource and to controlling the level of service available to the local on-demand management apparatus, the level

of service based at least in part on the allocation of the performance resource to the grid computing system.

22. (Currently Amended) A method for user control of a system resource on a grid computing system, the method comprising:

allowing a user to input, by use of a processor, a parameter control request, the parameter control request increasing an allocation of a performance resource and corresponding to a performance parameter for the performance resource stored in a profile in a memory device of the grid computing system;

dynamically updating the performance parameter according to the parameter control request during a concurrent grid system operation, ~~the performance parameter corresponding to a performance resource~~; and

reserving the performance resource with the updated performance parameter increasing the allocation of the performance resource for the grid computing operation.

23. (Original) The method of claim 22, further comprising storing a profile, the profile comprising the performance parameter of the network performance resource available to the grid computing system, wherein the profile is one of a network profile, a global client profile, and a client profile.

24. (Original) The method of claim 22, wherein the method further comprises terminating the reservation of the performance resource in response to a client reclamation operation, the client reclamation operation reclaiming the performance resource and making the performance resource unavailable to the grid computing system.

25. (Currently Amended) A method for user control of a system resource on a grid computing system, the method comprising:

allowing a user to input, by use of a processor, a parameter control request, the parameter control request increasing an allocation of a performance resource and corresponding to a performance parameter for the performance resource of the grid computing system;

dynamically updating the performance parameter according to the parameter control request during a concurrent grid system operation, ~~the performance parameter corresponding to a performance resource;~~

reserving the performance resource with the updated performance parameter increasing the allocation of the performance resource for the grid computing operation;

terminating the reservation of the performance resource in response to a client reclamation operation, the client reclamation operation reclaiming the performance resource and making the performance resource unavailable to the grid computing system;

reserving another performance resource for the grid computing operation, wherein the other performance resource is the same type of performance resource as the reclaimed performance resource;

storing a network profile, the network profile comprising a network performance parameter of a network performance resource available to the grid computing system;

storing a global client profile in a memory device, the global client profile descriptive of a global client performance resource parameter;

storing a plurality of client profiles, each of the plurality of client profiles comprising a client performance parameter of a client performance resource available to the grid computing system; and

synchronizing one of the stored client profiles with a local client profile stored on a client.

26. (Currently Amended) A memory device storing executable code executed by a processor that carries out a method for user control of a system resource on a grid computing system, the method comprising:

allowing a user to input a parameter control request, the parameter control request increasing an allocation of a performance resource and corresponding to a performance parameter for the performance resource of the grid computing system;

dynamically updating the performance parameter according to the parameter control request during a concurrent grid system operation; ~~the performance parameter corresponding to a performance resource;~~ and

reserving the performance resource with the updated performance parameter increasing the allocation of the performance resource for the grid computing operation.

27. (Currently Amended) The memory device of claim 26, wherein the performance parameter is one of network accessibility, network bandwidth allocation, and grid allocation hierarchy, and the method further comprising:

storing a network profile, the network profile comprising a network performance parameter of a network performance resource available to the grid computing system;

storing a global client profile in a memory device, the global client profile descriptive of a global client performance resource parameter;

storing a plurality of client profiles, each of the plurality of client profiles comprising a client performance parameter of a client performance resource available to the grid computing system; and

synchronizing one of the stored client profiles with a local client profile stored on a client.

28. (Previously Presented) The memory device of claim 26, wherein the performance parameter is one of client accessibility, client bandwidth allocation, processor allocation, storage allocation, memory allocation, backup recoverability, and backup proximity.



29. (Previously Presented) The memory device of claim 26, wherein the method further comprises terminating the reservation of the performance resource in response to a client reclamation operation, the client reclamation operation reclaiming the performance resource and making the performance resource unavailable to the grid computing system.

30. (Previously Presented) The memory device of claim 26, wherein the method further comprises reserving another performance resource for the grid computing operation, wherein the other performance resource is the same type of performance resource as the reclaimed performance resource.

31. (Previously Presented) The memory device of claim 26, wherein the method further comprises storing a network profile, the network profile comprising a network performance parameter of a network performance resource available to the grid computing system.

32. (Previously Presented) The memory device of claim 26, wherein the method further comprises storing a global client profile, the global client profile descriptive of a global client performance resource parameter.

33. (Previously Presented) The memory device of claim 26, wherein the method further comprises storing a plurality of client profiles, each of the plurality of client profiles comprising a client performance parameter of a client performance resource available to the grid computing system.

34. (Previously Presented) The memory device of claim 26, wherein the method further comprises synchronizing one of the stored client profiles with a local client profile stored on a client.

35. (Previously Presented) The memory device of claim 26, wherein the method further comprises storing a plurality of profile histories, each of the plurality of profile histories comprising a history of a performance parameter resource.

36. (Previously Presented) The memory device of claim 35, wherein the method further comprises communicating one of the plurality of profile histories to a subscription manager, the subscription manager configured to calculate a client subscription fee based at least in part on the one of the plurality of profile histories.

37. (Currently Amended) An apparatus for user control of a system resource on a grid computing system, the apparatus comprising:

a storage device storing executable code;

a processor executing the executable code, the executable code comprising means for allowing a user to input a parameter control request, the parameter control request increasing an allocation of a performance resource and corresponding to a performance parameter for the performance resource of the grid computing system;

means for dynamically updating the performance parameter according to the parameter control request during a concurrent grid system operation, the performance parameter corresponding to a performance resource; and

means for reserving the performance resource with the updated performance parameter increasing the allocation of the performance resource for the grid computing operation.

38. (Currently Amended) The apparatus of claim 1, the apparatus further comprising:

a client user input module configured to allowing the user to input a client parameter control request, the parameter control request corresponding to a client performance parameter of the grid computing system, the client performance parameter corresponding to the performance resource;

a client allocation module ~~configured to allocating~~ the performance resource to the grid computing system during the concurrent grid system operation;  
a client profile management module ~~configured to storing~~ a client profile in a memory device, the client profile comprising the client performance parameter of the performance resource allocated to the grid computing system; and  
a client profile synchronization module ~~configured to synchronizing~~ the client performance parameter with the profile stored on the global on-demand apparatus during the concurrent grid system operation, overriding the performance parameter.

39. (New) The apparatus of claim 14, the apparatus further comprising:

a global user input module allowing the client user to input a parameter control request, the parameter control request increasing an allocation of the client performance resource and corresponding to the client performance parameter for the performance resource stored in a profile in a memory device of the grid computing system;

a global parameter module dynamically updating the performance parameter according to the parameter control request during a concurrent grid system operation; and

a global reservation module reserving the performance resource with the updated performance parameter increasing the allocation of the performance resource for the grid computing operation, and wherein the updated client performance parameter overrides the updated performance parameter.

40. (New) The system of claim 19, the local on-demand apparatus comprising:

a client user input module allowing the user to input a client parameter control request, the parameter control request corresponding to a client performance parameter of the grid computing system, the client performance parameter corresponding to the performance resource;

a client allocation module allocating the performance resource to the grid computing system during the concurrent grid system operation;

a client profile management module storing a client profile in a memory device, the client profile comprising the client performance parameter of the performance resource allocated to the grid computing system; and

a client profile synchronization module synchronizing the client performance parameter with the profile stored on the global on-demand apparatus during the concurrent grid system operation, overriding the performance parameter.